

Oughta Cost System

10 →

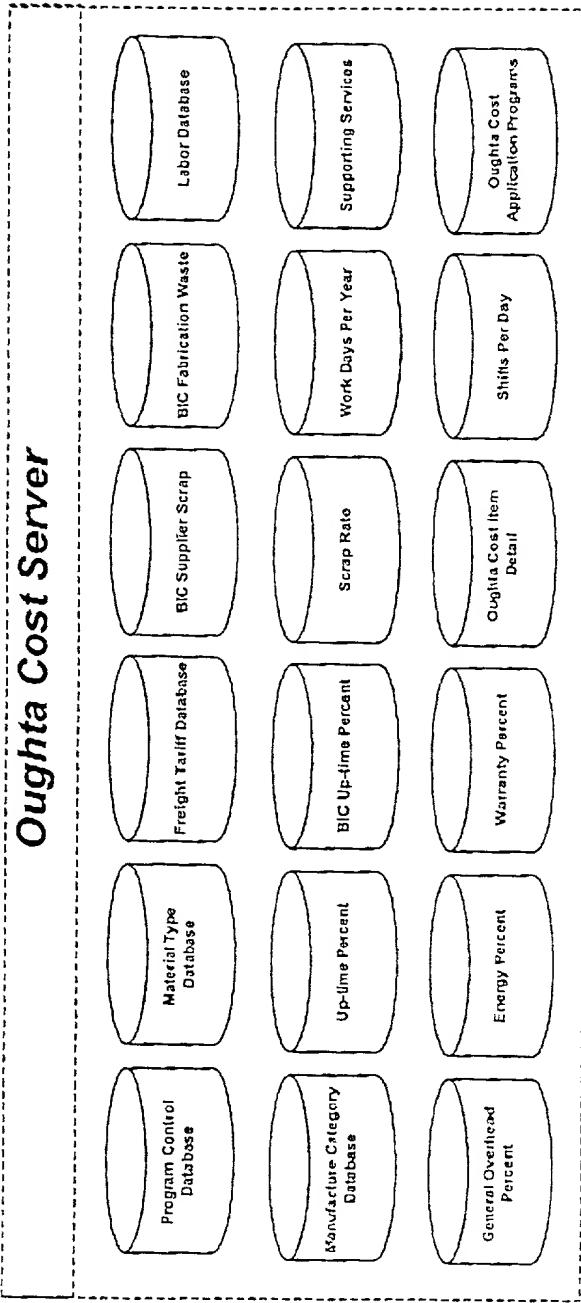
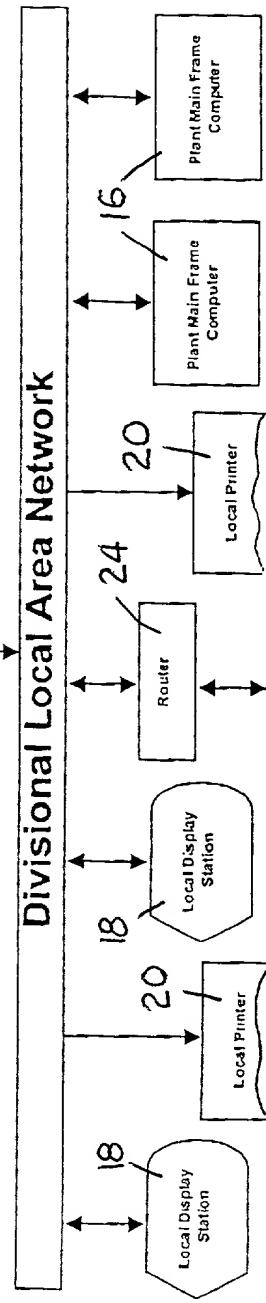


Fig 1A

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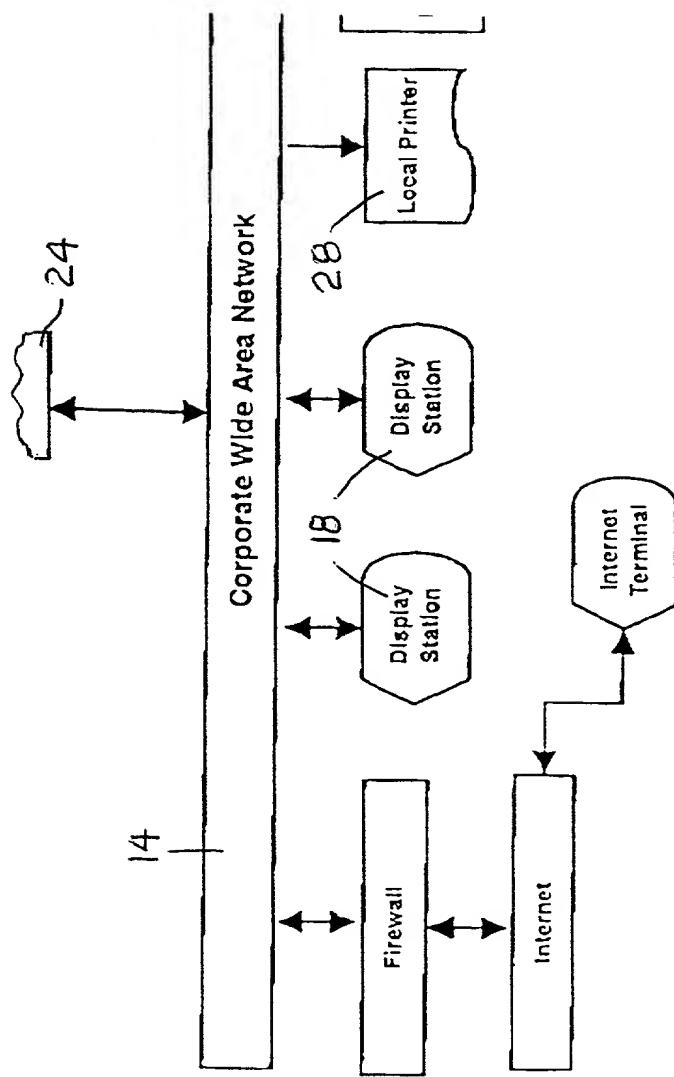


Fig 1B

Oughta Cost System

Oughta Cost Search | New Crankshaft

Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Goss
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gary Denklau

Name of New Oughta Cost Study

Copy An Existing Study | Create New Study

Open
Study
Reports
Exit

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FIG 2

FIG 3

Program # 02010100001 Component: Shaft Component # 100 Status: Public																							
Material	Material Type	Steel Forging	<input checked="" type="button"/> <input type="button"/> <input type="button"/>																				
	Supplier Scrap:		<input type="button"/> <input type="button"/> <input type="button"/>																				
<table border="1"> <tr> <td>Fabrication Waste:</td> <td>5.00%</td> </tr> <tr> <td>-Material</td> <td>5.10%</td> </tr> <tr> <td>-Capital</td> <td>5.20%</td> </tr> <tr> <td>-Labor</td> <td>5.30%</td> </tr> <tr> <td>-Manufacturing</td> <td>5.40%</td> </tr> <tr> <td>-Overhead</td> <td>5.50%</td> </tr> <tr> <td>Reports</td> <td>5.60%</td> </tr> <tr> <td>Home</td> <td>5.70%</td> </tr> <tr> <td>Exit</td> <td>5.80%</td> </tr> <tr> <td></td> <td>5.90%</td> </tr> </table>				Fabrication Waste:	5.00%	-Material	5.10%	-Capital	5.20%	-Labor	5.30%	-Manufacturing	5.40%	-Overhead	5.50%	Reports	5.60%	Home	5.70%	Exit	5.80%		5.90%
Fabrication Waste:	5.00%																						
-Material	5.10%																						
-Capital	5.20%																						
-Labor	5.30%																						
-Manufacturing	5.40%																						
-Overhead	5.50%																						
Reports	5.60%																						
Home	5.70%																						
Exit	5.80%																						
	5.90%																						
<table border="1"> <tr> <td>Freight</td> <td>Origin</td> <td>Light Needed</td> <td>Returnable Containers</td> </tr> <tr> <td></td> <td>Destination</td> <td>Serial Cost</td> <td>Dunnage</td> </tr> <tr> <td></td> <td>Mode</td> <td>Cost</td> <td></td> </tr> <tr> <td></td> <td></td> <td>NYT</td> <td><input type="button"/></td> </tr> </table>				Freight	Origin	Light Needed	Returnable Containers		Destination	Serial Cost	Dunnage		Mode	Cost				NYT	<input type="button"/>				
Freight	Origin	Light Needed	Returnable Containers																				
	Destination	Serial Cost	Dunnage																				
	Mode	Cost																					
		NYT	<input type="button"/>																				
<table border="1"> <tr> <td colspan="3">Materials Table</td> </tr> <tr> <th>Material Code</th> <th>Unit of Measure</th> <th>Category</th> <th>Description</th> </tr> <tr> <td>1-112-A</td> <td>Ton</td> <td>Forging</td> <td>Steel Forging</td> </tr> </table>				Materials Table			Material Code	Unit of Measure	Category	Description	1-112-A	Ton	Forging	Steel Forging									
Materials Table																							
Material Code	Unit of Measure	Category	Description																				
1-112-A	Ton	Forging	Steel Forging																				
<table border="1"> <tr> <td colspan="3">Comments</td> </tr> <tr> <td colspan="3"> <input type="button"/> <input type="button"/> <input type="button"/> </td> </tr> </table>				Comments			<input type="button"/> <input type="button"/> <input type="button"/>																
Comments																							
<input type="button"/> <input type="button"/> <input type="button"/>																							

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Material			
<input checked="" type="checkbox"/> Cost Components <input type="checkbox"/> -Material <input type="checkbox"/> -Capital <input type="checkbox"/> -Labor <input type="checkbox"/> -Manufacturing <input type="checkbox"/> -Overhead <input type="checkbox"/> Reports <input type="checkbox"/> Home <input type="checkbox"/> Exit		Program # 020101000001 Component: Shaft Component # 100 Status: Public	
<input checked="" type="checkbox"/> Material Type <input type="checkbox"/> Supplier Scrap: 5.00% <input type="checkbox"/> Fabrication Waste: 5.00%		Steel Forging	
Freight		Origin: New York Destination: California Mode: Truck Load Less Than Truck Load Rail Boat	
Freight		Total Weight Needed: 111 Total Material Cost: \$ Freight Cost: \$ Rates/CWT	
Freight		Returnable Containers Damage	
Materials Table			
Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging
Comments			

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FIG 6

Program # 02010100001 Component: Shaft Component # 100 Status: Public											
Material	<input checked="" type="checkbox"/> Material Type: Steel Forging <input type="checkbox"/> Supplier Scrap: 5.00% <input type="checkbox"/> Fabrication Waste: 5.00%										
Cost Components	-Capital -Labor -Manufacturing -Overhead Reports Home Exit										
Material Components	Freight Origin: New York Total Weight Needed: 111 Destination: California Total Material Cost: \$51.06 Mode: Truck Load Freight Cost: \$1.11 Rates/CWT: \$1.00										
Returnable Containers	✓ Yes										
Materials Table	<table border="1"> <thead> <tr> <th>Material Code</th> <th>Unit of Measure</th> <th>Category</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1-112-A</td> <td>Ton</td> <td>Forging</td> <td>Steel Forging Crankshaft for 2003 model year V8</td> </tr> </tbody> </table>			Material Code	Unit of Measure	Category	Description	1-112-A	Ton	Forging	Steel Forging Crankshaft for 2003 model year V8
Material Code	Unit of Measure	Category	Description								
1-112-A	Ton	Forging	Steel Forging Crankshaft for 2003 model year V8								
Comments	This study has only one component.										

FIG 7

Program # 0112200001 Component Staff Component # 123456 Status: Public					
Cost Components	Supporting Services: <input type="text" value="0%"/>	Region: <input type="text" value="North"/>			
-Material	Machining Type: <input type="text" value="Transfer Line"/>	Skill Level: <input type="text" value="Standard Machining"/>			
-Capital					
-Labor					
-Manufacturing					
-Overhead					
Reports					
Home					
Save & Exit					
Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
DIRECT LABOR					
Machine Operators	<input type="text" value="3"/>	<input type="text" value="10"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$5.50"/>
Machine Operators	<input type="text" value="3"/>	<input type="text" value="20"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$3.50"/>
Assembly Test	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="\$9.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$3.50"/>
INDIRECT LABOR					
Material Handling	<input type="text" value=".5"/>	<input type="text" value="10"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.00"/>
Shipping	<input type="text" value=".2"/>	<input type="text" value="30"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.00"/>
Receiving	<input type="text" value=".2"/>	<input type="text" value="05"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.00"/>
Line Stocking	<input type="text" value="1"/>	<input type="text" value="10"/>	<input type="text" value="\$7.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$3.50"/>
Material Scheduler	<input type="text" value=".25"/>	<input type="text" value="1"/>	<input type="text" value="\$6.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$3.00"/>
Inspection	<input type="text" value=".25"/>	<input type="text" value="20"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.00"/>
Quality	<input type="text" value=".25"/>	<input type="text" value="20"/>	<input type="text" value="\$9.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.50"/>
Supervisor	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="\$14.00"/>	<input type="text" value="50 %"/>	<input type="text" value="\$4.00"/>

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FIG 8

Capital Program # 0112200003 | Component: Shaft | Component # 123456 | Status: Public

General Capital		Qty	Item Category	Depreciation	Capital \$
Building Expansion		1	Building	30 yrs	\$200,000
-Material					
-Capital					
-Labor					
Manufacturing					
-Overhead					
Add General Item					

Machining Capital		Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
		1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		yrs
			10	Cutters	Tooling			\$800	1 yrs
Add Machining Item									

Comments	
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Cancel | Help |

FIG 9

Manufacturing		Program # 011220000001 Component: Shaft Component # 123456 Status: Public																									
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	▼																								
Uptime Current	Uptime World Class	50%	▼																								
Cost Components	Scrap Rate	51%	▼																								
-Material	Volume	52%	per □ ▶																								
-Capital		53%																									
-Labor		54%																									
-Manufacturing		100%																									
-Overhead																											
Reports	Manufacturing Time																										
Home																											
	Work Days per Year																										
	Work Shifts per Day																										
	Work Hours per Shift																										
	Component																										
	Manufacturing Utilization																										
<table border="1"> <thead> <tr> <th colspan="4">Manufacturing Time</th> </tr> <tr> <th>Requires Manpower</th> <th>Equipment #</th> <th>Op #</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td colspan="4">Add Manufacturing Time Element □ ▶</td> </tr> </tbody> </table>				Manufacturing Time				Requires Manpower	Equipment #	Op #	Unit of Measure	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	Add Manufacturing Time Element □ ▶			
Manufacturing Time																											
Requires Manpower	Equipment #	Op #	Unit of Measure																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
Add Manufacturing Time Element □ ▶																											

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FIG 10

Manufacturing		Program # 01122000001 Component: Shaft Component # 123456 Status: Public																									
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	▼																								
Uptime Current	50%	▼																									
Uptime World Class	70%	▼																									
Cost Components	75%	▼																									
-Material	80%	▼																									
-Capital	85%	▼																									
-Labor	90%	▼																									
-Manufacturing	95%	▼																									
-Overhead	100%	▼																									
Reports	Work Days per Year	▼																									
Home	Work Shifts per Day	▼																									
	Work Hours per Shift	▼																									
	Component Manufacturing Utilization	▼																									
Manufacturing Time																											
<table border="1"> <thead> <tr> <th colspan="4">Manufacturing Time</th> </tr> <tr> <th>Requires Manpower</th> <th>Equipment #</th> <th>Op #</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td colspan="4" style="text-align: right;">Add Manufacturing Time Element</td> </tr> </tbody> </table>				Manufacturing Time				Requires Manpower	Equipment #	Op #	Unit of Measure	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	Add Manufacturing Time Element			
Manufacturing Time																											
Requires Manpower	Equipment #	Op #	Unit of Measure																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
Add Manufacturing Time Element																											

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FIG 11

Manufacturing		Program # 01122000001 Component: Shaft Component # 123456 Status: Public	
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	
Uptime Current	50%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Uptime World Class	90%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Scrap Rate	<input type="button" value="▼"/>	<input type="button" value="►"/>	
Volume	5.00%	<input type="button" value="▼"/>	<input type="button" value="►"/>
-Manufacturing	5.10%		
-Overhead	5.20%		
Reports	5.30%		
Home	Work Days per Year	5.40%	
	Work Shifts per Day	5.50%	
	Work Hours per Shift	5.60%	
	Component	5.70%	
	Manufacturing Utilization	5.80%	
		5.90%	
<u>Manufacturing Time</u>			
Requires Manpower	Equipment #	Op #	Unit of Measure
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="button" value="Add Manufacturing Time Element"/>			

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FIG 12

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Manufacturing		Program # 0112200001 Component: Shaft Component # 123456 Status: Public			
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	<input type="button" value="▼"/>		
Uptime Current	50%	<input type="button" value="▼"/>			
Uptime World Class	90%	<input type="button" value="▼"/>			
Scrap Rate	0%	<input type="button" value="▼"/>			
Volume	20,000	per Year	<input type="button" value="▼"/>		
<u>Available Manufacturing Time</u>					
Work Days per Year	240				
Work Shifts per Day	2				
Work Hours per Shift	8				
Component Manufacturing Utilization					
<u>Manufacturing Time</u>					
Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	12345	05	<input type="button" value="▼"/>	
<input type="checkbox"/> Yes	<input type="checkbox"/> No			sec	
<input type="checkbox"/> Yes	<input type="checkbox"/> No			min	
<input type="button" value="Add Manufacturing Time Element"/>					

FIG 13

Manufacturing		Program # 0112200001 Component: Shaft Component # 123456 Status: Public			
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line			
Uptime Current	50%	<input type="button" value="▼"/>			
Uptime World Class	90%	<input type="button" value="▼"/>			
Scrap Rate	0%	<input type="button" value="▼"/>			
Volume	20,000	per <input type="button" value="Year"/>	<input type="button" value="▼"/>		
<u>Available Manufacturing Time</u>					
Work Days per Year	240				
Work Shifts per Day	2				
Work Hours per Shift	8				
Component Manufacturing Utilization	50%				
<u>Manufacturing Time</u>					
Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	123456	05	sec <input type="button" value="▼"/>	80 <input type="button" value="▼"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	246810	10	sec <input type="button" value="▼"/>	80 <input type="button" value="▼"/>
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	357159	20	min <input type="button" value="▼"/>	1.3 <input type="button" value="▼"/>
<input type="button" value="Add Manufacturing Time Element"/>					

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FIG 14

OverHead

Program # 0112200001 Component: Staff Component # 123456 Status: Public						
Depreciation						
Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
TOTALS		\$225,800		\$12,467		\$7,634
Startup Costs		\$20,000				
Engineering Support		\$10,000				
Warranty Cost (% of Sales)	0.1%	▼				
Additional Expenses						
Cost Category	Cost Description	Cost (\$)	Occurrence			
				▼	▼	▼
				▼	▼	▼
				▼	▼	▼
				▼	▼	▼
Add Cost Category						
Comments						

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FIG 15

OverHead		Program # 0111220000001 Component: Shaft Component # 123456 Status: Public						
<u>Depreciation</u>								
Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component		
Building	1	\$200,000	30	\$6,667	50 %	\$3,334		
Tooling	10	\$800	1	\$800	100 %	\$800		
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500		
					%			
TOTALS		\$225,800		\$12,467		\$7,634		
Startup Costs				\$20,000				
Engineering Support				\$10,000				
Warranty Cost (% of Sales)				0.1 %	►			
<u>Additional Expenses</u>								
Cost Category	Cost Description							
Perishable Tooling								
MRO								
General Overhead								
Energy								
Other								
Comments								

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FIG 16

Reports

Standard Report Package

Material Labor Capital
 Manufacturing Overhead Summary

Cost Components

-Material
-Capital
-Labor
-Manufacturing
-Overhead

Reports

Home Exit

Select

Program

Program Description.

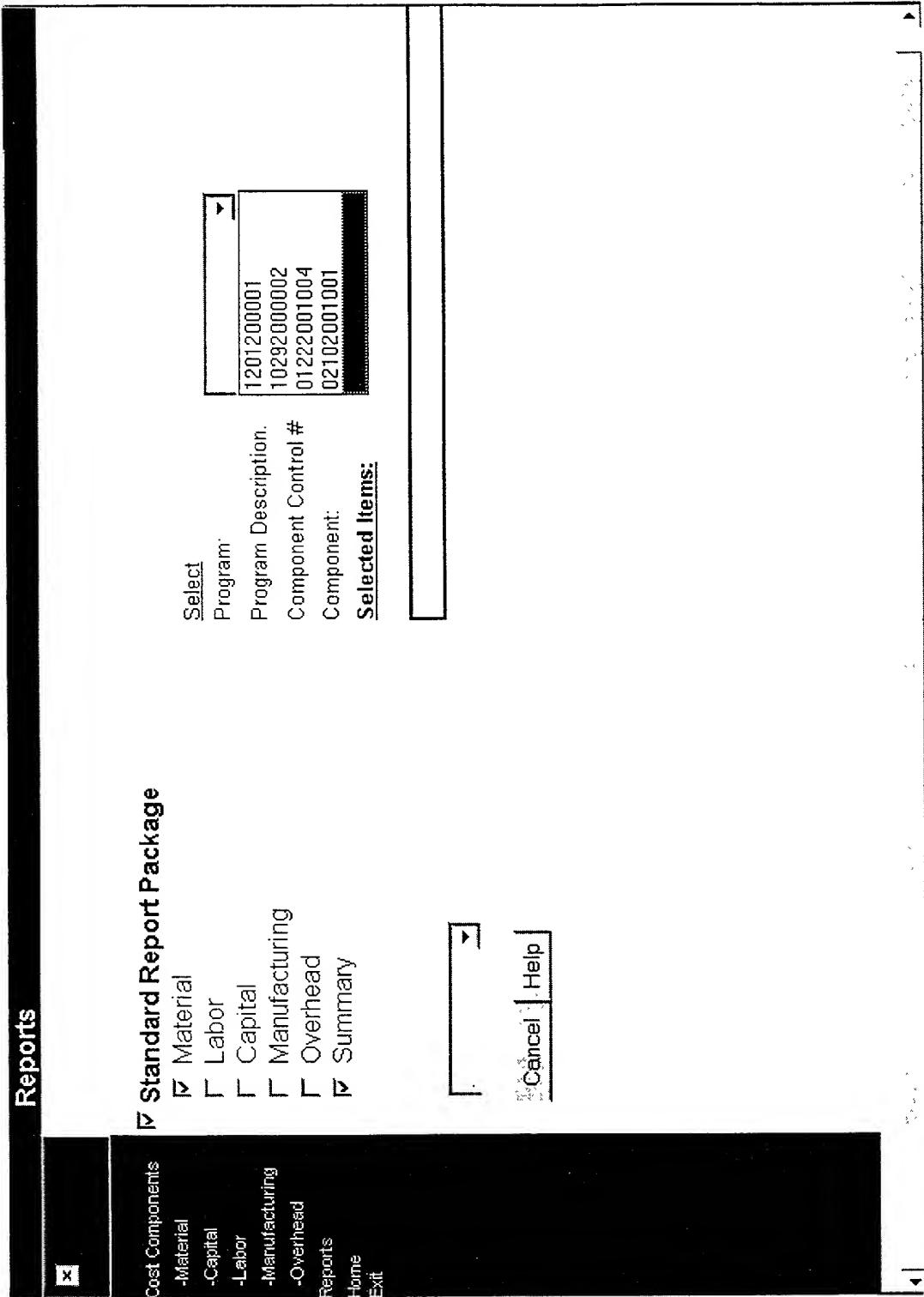
Component Control #

Component:

Selected Items:

12012000001
10292000002
01222001004
02102001001

Cancel Help



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FIG 17

Reports			
<input checked="" type="checkbox"/> Standard Report Package <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Material <input type="checkbox"/> Labor <input type="checkbox"/> Capital <input checked="" type="checkbox"/> Manufacturing <input type="checkbox"/> Overhead <input checked="" type="checkbox"/> Summary <p>Cost Components</p> <ul style="list-style-type: none"> -Material -Capital -Labor -Manufacturing -Overhead <p>Reports</p> <ul style="list-style-type: none"> Home Exit 	<p>Select Program: <input type="text" value="120120000001"/> <input type="button" value="▶"/></p> <p>Program Description: <input type="text" value="New Crankshaft"/> <input type="button" value="▶"/></p> <p>Component Control #: <input type="text" value="123456"/> <input type="button" value="▶"/></p> <p>Component: <input type="text" value="Shaft"/> <input type="button" value="▶"/></p> <p><u>Selected Items:</u></p> <table border="1"> <tr> <td><input type="text" value="011220000001"/></td> <td>New Crankshaft</td> </tr> </table> <p><input type="button" value="▶"/></p> <p><input type="button" value="Print Preview"/> <input type="button" value="Print"/> <input type="button" value="Export to Access"/> <input type="button" value="Export to Excel"/> <input type="button" value="Inquiries"/></p>	<input type="text" value="011220000001"/>	New Crankshaft
<input type="text" value="011220000001"/>	New Crankshaft		

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FIG 18